

FOLIO

Dental Hygiene Clinic

The Dental Hygiene Clinic in room 2046 Dentistry-Pharmacy Centre is desirous of receiving more patients. The Clinic is open each weekday from 2 p.m. to 4:30 p.m. and can accommodate as many as forty patients in a single afternoon. The fee structure is \$6 for children and \$8 for adults, regardless of the number of visits.

To make an appointment, simply telephone 432-4151. A screening appointment which serves to indicate the patient's needs will be set up and will lead to a regular dental hygiene appointment.

The Clinic will remain open until 11 April. □



British Geographer to Speak on Great Outdoors of Homeland

J.T. Coppock, Professor of Geography and Director of the Tourism and Recreation Research Unit at the University of Edinburgh, will lecture at this University on Monday, 3 March. Dr. Coppock's topic is "Tourism and Nature Conservation in Great Britain."

The lecture is open to all and will commence at 8 p.m. in Lecture Theatre 1 of the Henry Marshall Tory Building. A question and answer period will follow.

Dr. Coppock is a Fellow of the British Academy and of the Royal Society of Edinburgh. He has written a large number of books, articles and research papers on the themes of tourism, recreation, resources and land use in Great Britain. In recent times he has turned his hand to such research projects as the economic and social well-being of communities in national parks and the impact of tourism on nature conservation. Dr. Coppock is also at work on the following texts: An agricul-

tural atlas of Great Britain, an analysis of farm structure in Great Britain, and land use problems in Great Britain.

He was active as a consultant to the Canada Geographic Information System in 1967 and to the Ministry of State for Urban Affairs, Ottawa, in 1974.

On the academic side, Dr. Coppock was Visiting Senior Lecturer in the Department of Geography, University of Ibadan, Nigeria, in 1963-64 and Visiting Professor at the Uni-

versity of Waterloo in 1972.

Dr. Coppock is Chairman of the International Geographical Union's Commission on World Food Problems and Chairman of the British National Committee for Geography.

His 3 March lecture is sponsored by the University's Departments of Recreation Administration, Geography, and Community Development and the Alberta Government's Department of Recreation and Parks. □

Strategic and Thematic Research Grants

In the 14 February 1980 issue of *Folio*, an article appeared titled "Federal Research Funds Raised." This article reported the substance of an announcement made on 31 January by the Minister of State for Science and Technology, at that time the Hon. Heward Grafftey, and the Secretary of State, at that time the Hon. David MacDonald. Now, while it may be hard to discern what effect the recent change in government may have on the increased levels of research funding announced in January, it is probable that the Social Sciences and Humanities Research Council will continue, as will the other Research Councils, to place some weight on "thematic" and "strategic" research to be conducted in areas of "national interest."

On the day that Messrs. Grafftey and MacDonald made their announcement, several members of the University's staff attended a National Conference on the Policy of Strategic/Thematic Research Grants in Ottawa. The following report, of interest to all who engage in research at this institution, has

been provided by the staff members who attended the conference. They were: E.A. Holdaway, IRP and Educational Administration; R.J. Crawford, Chemistry; Z.J. Hawrysh and N.C. Keating, Home Economics; A.N. Kamal, Physics; and B.G. Rules, Psychology.

On 31 January and 1 February 1980, approximately 165 scientists, research administrators, and interested others attend a national conference in Ottawa to discuss the recent policy changes outlined by two of the three federal research-funding councils. These changes involve the assigning by the National Sciences and Engineering Research Council (NSERC) and the Social Sciences and Humanities Research Council (SSHRC) of funds to support research which could be broadly classed as being in "the national interest." The Medical Research Council has had such a policy for several years. The conference was jointly organized by the Social Science Federation of Canada, the Canadian Federation of Biological Societies, the Canadian Association of Physicists, the Canadian Association of University Teachers, the Association of Universities and Colleges of Canada, and the Chemical Institute of Canada.

Stimulus for holding the conference came from the decision of SSHRC to become actively engaged in the funding of "thematic research." This initiative, which began in 1979 with funding of research related to "Aging" and "Research Resources" and which is planned to expand substantially over the next five years, aroused concern in many members of the Social Science Federation of Canada (SSFC). The SSFC decided that concerns associated with the policy of specifying areas for research support warranted the holding of a national conference at which the positive and negative views of scientists from all

disciplines could be expressed. Instead of "thematic research," NSERC uses the term "strategic research," while the Ministry of State for Science and Technology (MOSST) refers to "concerted research." However, these three terms may not be fully synonymous.

In its Five-Year Plan, SSHRC has identified ten possible theme areas for future funding: literacy and language, resource management, decision-making, biological revolution, Canadian studies, communications revolution, changes in the family, the role of third cultures, northern development, and regional disparities. The federal government has recently approved a proposed five-year budget for SSHRC which would assign the following amounts in constant 1979-80 dollars. (See Table A.)

NSERC uses the term "free research" rather than "independent research." (MOSST talks of "fundamental research.") The approved NSERC five-year budget includes these amounts in constant 1979-80 dollars. (See Table B.)

The Opening Session of the Conference was addressed by John Trent (SSFC Executive Director), David Low (Assistant Secretary, University Branch, MOSST), Gilles Julien (Executive Director, NSERC), John Nicholson (Executive Director, SSHRC), and James Roxburgh (Director, Grants Program, Medical Research Council). Workshops

dealing with effectiveness, implementation, and alternative approaches related to strategic/thematic research were conducted by John Cowan (Faculty of Medicine, University of Ottawa), Peter Forsyth (President, Canadian Association of Physicists), and Vaira Vikis-Freibergs (President-Elect, SSFC) after these three people had spoken to the entire group. The Closing Session was addressed by representatives of the three major political parties: Gerald Baldwin, Jean-Luc Pepin, and John Smart.

During these sessions, there were many questions and comments on a wide variety of aspects of the strategic/thematic grants approach. The representatives of MOSST and the three granting councils attempted to reassure participants that there was nothing sinister in the federal government's approach. They perceived that such an approach was in the interests of scientists and constituted one means of increasing the research funds available to Canadian scientists. (In fact, the 1980-81 grants to NSERC, MRC, and SSHRC have been increased by 35.0%, 17.4%, and 16.2% respectively over their 1979-80 levels.) However, a feeling of unease was apparent among at least some of the participants, and statements such as the following, in the November 1979 MOSST Background Paper, "A Rationale for Federal Funding of University Research," did nothing to remove this unease:

Table A

| | 1980-81 | 1984-85 | Increase |
|---|------------|------------|----------|
| Independent research* | \$17.95 m. | \$21.33 m. | 19% |
| Strategic programs** | \$ 2.08 m. | \$ 9.82 m. | 372% |
| * "Independent research" SSHRC funds include Research Grants (\$6.93 m. and \$7.74 m.), Leave Fellowships (\$4.25 m. and \$4.87 m.), Negotiated Grants (\$4.90 m. and \$4.90 m.), General Research Grants (\$1.41 m. and \$2.03 m.), and Post-doctoral Fellowships (\$0.46 m. and \$1.80 m.). | | | |
| ** "Strategic programs" includes thematic research and regional exchanges. | | | |

Table B

| | 1980-81 | 1984-85 | Increase |
|--------------------|-----------|-----------|----------|
| Free research | \$72.4 m. | \$95.0 m. | 31% |
| Strategic research | \$10.1 m. | \$33.7 m. | 234% |

FOLIO

Volume Sixteen
Number Thirty-four

All inquiries and correspondence should be directed to:

Folio
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423 Athabasca Hall
University of Alberta
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Telephone: (403) 432-2325
The Office of Community Relations produces Folio on a weekly basis for the staff and other interested persons

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"Priorities change with time as governments take action on major problem areas, but there are underlying problems, and opportunities which require long-term and sustained research effort. These are the appropriate ones for concerted research in universities." (Page 5.)

"The Federal Government has identified three main aims for the federal support of university research in the national interest:

i) to support fundamental research...
ii) to institute concerted research programs...

iii) to support and develop research-trained manpower...." (Page 8.)

"If existing efforts could be identified, managed and orchestrated in concerted programs towards national goals in a deliberate and planned fashion, a first move towards the establishment of concerted research could be established." (Pages 12-13.)

"A review of the role of university research is called for by the evolving public perception of the role of science in society and the emerging national role of R & D." (Pages 18.)

The following ideas and questions were generated at the three workshops dealing with effectiveness, implementation and alternatives:

(1) Provincial governments must provide the necessary funding to allow universities to employ staff, purchase equipment, and make physical alterations which will be required by the increased size of the research grants being awarded by all three federal councils. In this regard, the upcoming First Ministers' Conference should discuss university funding, and the Council of Ministers of Education should meet with representatives of the Canadian scientific community.

(2) Will strategic/thematic grants achieve anything which is not attainable under the present system?
(3) Support for "free research," properly indexed, must not be allowed to decline.

(4) Wider representative consultation and cooperation among agencies is needed in establishment of research goals: "grass-roots scientists" must be involved.
(5) The strategic/thematic programs must be evaluated retrospectively.

(6) Scientists must defend against faddism, political interference, and patronage.
(7) Scientists in the humanities feel left out from the SSHRC

Pigeon Post

In view of the need you express for solutions to the problem with our urban-adapted friends, *Columbia Livia* (order Columbiformes) or "rock-dove," I would like to contribute some suggestions.

I have had the delight of being a breeder of common, fancy, and pedigreed pigeons and doves for close to 22 years. Before arriving here for PhD studies I operated (as a hobby) the Canadian Pigeon Research Centre, in Murillo, Ontario—just west of Thunder Bay. Most research conducted was socio-biological in that controlled experiments were undertaken to link social behavior patterns across generations (phenotypes), to sex-linked, dominant and recessive genotypic characteristics. Other studies focussed on testing in the field, several theories of "homing instinct." Results were published in *Feather Fancier*, Erin, Ontario.

The social behaviour of pigeons is similar to that of humans in

thematic grants program. (Dr. Nicholson assured humanities representatives that they are not.) (8) Some strategic/thematic areas have applicability to all three granting councils (e.g. nuclear energy).

The limited time available, the broad range of issues, and the variety of backgrounds and concerns of participants were partly responsible for the inability of the Conference as a whole to produce a final set of recommendations, other than many of those generated in the workshops. However, the presentations, questions and comments did have the beneficial effect of sensitizing administrators and researchers to many concerns. Without doubt, the effects of new approaches taken by the federal research-funding councils will now be scrutinized very carefully. □

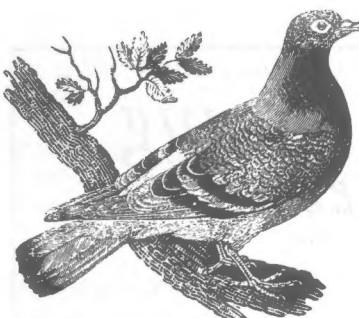
many ways (i.e., aggression, parenting, courting and promiscuity, territoriality), and for this reason they are continuing to be used in serious controlled and natural studies by scientists (e.g., Wilson at Harvard). The fact that common pigeons endear themselves to human settlements in many different countries, in urban and farm communities, and are easily made into "pets," supports the argument for the necessity

because they are messy (defecate about 25 times per day) and noisy (cooing, especially at night). As with any gregarious animal they are also prone to carrying various diseases and external or internal parasites. The latter trait is seldom a problem for man, except when contact is physical and continuous. Short of killing the birds by shooting or poison, most other options are futile (i.e., cost-prohibitive), and even killing them will only be a short-term treatment as others would soon move in from other parts of the campus or city. So, what to do?

In 1969, while a student at York University, I was commissioned by the Director of Power and Plant to do something about the proliferation of pigeons in and about the Murray G. Ross Building (Humanities). My accepted method was essentially to trap the pigeons and transport them far enough away (60 miles) to reduce their chances of returning. Specifically, the project consisted of the following steps:

- 1) determine where the greatest roosting-density of birds occurred;
- 2) construct a portable, collapsible cage (4'x4'x4', made of 2" chicken wire and 2"x2" lumber) with a landing perch and a non-exit "trap" (an entrance which allows only entry inside the cage);
- 3) strategically erect and place the cage on the roof of the building nearest the roosting spot, and place a water fountain and large feed-trough full of corn, wheat and/or barley, inside the cage on the floor;
- 4) place a small sprinkling of feed on the flat-board perch, in front of the trap entrance (note: trap should be at the front, about 3' up);
- 5) check the cage regularly (once a day) and replace feed on the trap; remove any birds inside the cage to a holding loft elsewhere on campus.

If no birds are caught within one week, place a live "decoy" inside the cage for a few days. Both his presence and/or the seed



of man-animal symbiosis. In this case however, the natural environment of "wild" pigeons is becoming less and less the forests of Borneo, South America or British Columbia, and increasingly man-made environments. In this respect they are similar to dogs and cats; however, their dependencies are not (yet) total, as pigeons can still be seen to perform worthwhile "natural" functions in their new settings, e.g., cleaning up grain spillages at rail-yards and feed mills which would otherwise invite mice and rats. Survival is not dependent upon man's intervention.

No doubt the pigeons at Athabasca Hall continue to reside there because a) they have access to ample food supplies from humans or from seed-producing shrubs and trees; b) they are relatively free of predators (i.e., hawks, owls, cats, man); c) it provides excellent roosting and/or nesting arrangements. People usually don't like pigeons around

sprinkled on the trap entrance should be sufficient to entice the others to enter through the trap bars (bars are $\frac{1}{2}$ "x8"x3" each; need about 8 of them spaced shoulder-width [of pigeon] apart). When many of the birds from Athabasca Hall are caught, there are several alternative courses of action: a] make a once-a-month transport of the captured birds to a distant location, e.g., open country about 20-50 miles away. These birds will not have been trained and it is unlikely they will find their way back. Release on a cloudy day, as this contributes to disorientation; b] kill

all captured birds (a total but debatable solution); c] collect all birds in a university holding loft (if one exists), treat with tetracycline or aureomycin, dust with lice powder, and proceed to use these birds as live/dead units for teaching or research in zoology, psychology, ornithology, etc.; and d] use all collected and disinfected birds for field study experiments of the migratory and/or homing "instinct."

The York University experiment worked. Perhaps it might work here too. Best of luck!

Terry L. Hill,
Sociology

the University of Texas. 470 Medical Sciences Building.

Department of Pediatrics

3 March. 4 p.m. "Serotonin Transport and Inhibition by Imipramine," with speaker Gary Rudnick of Yale University. 2-115 Clinical Sciences Building.

Departments of Geography and Recreational Administration

3 March. 2 p.m. "Computer Mapping: The British Scene," with speaker J.T. Coppock of the University of Edinburgh. 3-36 H.M. Tory Building.

4 March. 11 a.m. "Relationships between Recreation Research, Policy and Planning," with speaker J.T. Coppock of the University of Edinburgh. E-120 Physical Education and Recreation Centre.

Canadian Institute of Ukrainian Studies

4 March. 12:30 p.m. "The Poetics of Stefanyk and Ukrainka: A Comparative Characterization," with speaker Yar Slavutych. The address will be delivered in Ukrainian. 352 C Athabasca Hall.

Public Lecture

4 March. 12 noon. "Visions of the Future," with speaker G. Nettler. This lecture is one of a series sponsored by the Faculty of Extension, the Department of Sociology, and the Edmonton Public Library. Music Room, Centennial Library.

Physics Colloquium

4 March. 3:30 p.m. "An Optical and Thermal Study of the Martensitic Phase Transition of ${}^4\text{He}$," with speaker J.P. Franck. V128 Physics Building.

Department of Botany

4 March. 4 p.m. "In Vitro Fertilization and Seed Development in *Papaver nudicaule L.*," with speaker Randy Olson. M-149 Biological Sciences Building.

Department of Sociology

Brown Bag Seminar
5 March. 12 noon. "On Practical

Sociology," with speaker L. Kennedy. 5-15 H.M. Tory Building.

Department of Economics

5 March. 3 p.m. "The Distribution of Energy Revenues within Canada: Functional or Fractional Federalism?" With speaker J. Helliwell. 8-22 H.M. Tory Building.

Department of English

5 March. 4 p.m. "Shakespearean Battle Conventions," with speaker J. MacIntyre. 5-20 Humanities Centre.

League of Canadian Poets and the Department of English

5 March. 12 noon. "The Four Horsemen." A sound/poetry performance with R. Barreto-Rivera, P. Dutton, and B. Nichol. AV L-3 Humanities Centre.

Entomology Seminar

6 March. 4:30 p.m. "Some Aspects of the Biology and Dispersion of *Gymnopais* (Diptera: Simuliidae); An Aberrant Mountain Black Fly," with speaker D. Currie. 62 Athabasca Hall Annex.

Energy Policy Analysis Seminar

6 March. 3:30 p.m. A discussion of Canadian Energy Policy with J. Helliwell. Sponsored by the Department of Chemical Engineering. 340 Chemical/Mineral Engineering Building.

Classics Seminar

6 March. 4 p.m. "On Dodging Funerals: Ezra Pound's Appreciation of Horace," with speaker Barry Mills. 1-8 Humanities Centre.

Philosophy Club

6 March. 3:30 p.m. "Credibility and Fallacy: Thoughts on *Ad Hominem*," with speaker Trudy Govien of Trent University. 4-29 Humanities Centre,

Comparative Literature Lecture

6 March. 4 p.m. "The Narcissistic Reader," with speaker Vera Calin,

Lutheran Campus Ministry

Paul Wee, General Secretary of the Lutheran World Ministry in New York, will be on a speaking tour of western Canadian universities in early March.

Dr. Wee has served as a lecturer in Theology at Mansfield College, Oxford University and Senior Representative of the Lutheran World Federation in Berlin. He has a unique vantage point from which to view the church's perspective and reaction to world events, as a result of his present position and past involvement with the churches of Namibia and the South-West Africa People's Organization.

"Images of hope in a Wounded World" is the title of a presentation to be given by Dr. Wee on Friday, 7 March at 3 p.m. in room 158A of the Students' Union Building. He will be speaking in Lister Hall on 8 March, at a dinner sponsored by the Lutheran Campus Ministry, and at the Lutheran Student Centre Sunday, 9 March at 7:30 p.m. on the topic "Kairos and Chronos: God Active in History."

For more information telephone Rev. Stephen Larson at 432-4513. □

coming events

Listings must reach the Editor by 9 a.m. on the Thursday prior to publication. Written notification is necessary. Listings should be sent to 423 Athabasca Hall.

Lectures and Seminars

MS Society

1 March. 1:30 p.m. The annual meeting of the Multiple Sclerosis Society of Canada, Edmonton Branch, with guest speaker S. Warren, Epidemiologist at the University's MS Research Clinic. Auditorium of the Dr. Angus McCugan Nursing Home, 10410 111 Avenue. For transportation, please telephone Ken Ashton, 467-5305, or the office, 424-6766.

Unitarian Fellowship

2 and 9 March. 10:30 a.m. Lansdowne Elementary School, 12323 51 Avenue.

Department of Biochemistry

3 March. 4 p.m. "The Important Sulphydryl Groups of Succinyl Coenzyme A Synthetase," with speaker Jonathan Nishimura of

Distinguished Visiting Professor.
Senate Chamber, Arts Building.

Department of Biochemistry
7 March. 2 p.m. "Crosslinking
Studies on Nucleic Acid Structures
and Topology," with speaker
C.R. Cantor of Columbia Uni-
versity. 231 Medical Sciences
Building.

Art and Design Lecture
7 March. 2:30 p.m. Bob Sinclair
of Painting will talk about his
work. 2-20 Fine Arts Building.

Campus Ministry
7 March. 3 p.m. "Images of
Hope in a Wounded World," with
speaker Paul Wee, General
Secretary of Lutheran World
Ministries. 158A SUB.

Poetry Reading
7 March. 12 noon. The "Bloom
soliloquy" from James Joyce's
Ulysses, with Jean MacIntyre.
SUB Art Gallery.

Department of Classics
10 March. 12 noon. "Hellenistic
and Roman Sardis," with speaker
David Mitten of the Fogg
Museum, Harvard. B-95 H.M.
Tory Building.
4 p.m. "Sardis, the Capital of
Croesus," with David Mitten.
1-8 Humanities Centre.

**East European Studies
Seminar**
11 March. 3:30 p.m. "The
Humanism of Population Policies
in the Experience of Poland, the
Soviet Union, and China," with
speaker K. Krótki. 311 Athabasca
Hall.

Public Lecture
11 March. 12 noon. Aging and
Younging of Human Populations,
with speaker P. Krishnan. This
lecture is one of a series
sponsored by the Faculty of
Extension, the Department of
Sociology, and the Edmonton
Public Library. Music Room,
Centennial Library.

Faculty of Arts
12 March. 8 p.m. "Günter Grass'
Tin Drum, the picaresque novel

and criticism of society in the
German contemporary novel,"
with speaker G. Marahrens. The
sixth in a lecture series titled
"The Novel in Contemporary
Society." L-1 Humanities Centre.

**Department Sociology
Brown Bag Seminar**
12 March. 12 noon. "Innovative
Work Arrangements in Alberta,"
with speaker T. White. 5-15
H.M. Tory Building.

Population Studies Seminar
12 March. 3 p.m. "Collection of
Data," with speaker C. Kinzel.
The fourth in a series of Survey
Research seminars organized by
the Population Research Labora-
tory of the Department of
Sociology. 14-6 H.M. Tory
Building.

Department of Philosophy
12 March. 4 p.m. "Jokes, Art,
and Intimacy," with speaker Ted
Cohen of the University of
Chicago. L-1 Humanities Centre.

Department of Botany
12 March. 4 p.m. "The Effects
of Sub-Zero Temperature on
Protein Metabolism of a Drought
Tolerant Moss *Tortula Ruralis*,"
with speaker Lada Malek. M-149
Biological Sciences Building.

Public Reading
13 March. 12:30 p.m. "West
Country," and "Deep Line," with
Kevin Roberts. Sponsored by the
Department of English and the
Canada Council. AV 1-3
Humanities Centre.

Entomology Seminar
13 March. 4:30 p.m. "The
Development of a Management
Programme for the European
Skipper, *Thymelicus lineola*
(Ochs.), (Lepidoptera:
Hesperiidae)," with speaker
Jeremy McNeil of the Université
Laval. 62 Athabasca Hall Annex.

**Central and East European
Studies**

13-15 March. The 1980 Con-
ference of the Central and East
European Studies Association of
Canada. The theme is "The

Central and East European
Community in Canada: Roots,
Aspirations, Progress and
Realities." For more information,
please telephone 432-3230 or
Co-chairman Mary Lobay at
434-1063.

**Edmonton Public Library
Woodcroft Writers' Series**
10 March. 7:30 p.m. Readings by
Douglas Barbour and Stephen
Scobie will be followed by an
open stage when participants may
read from their own writings.

Theatre

**The Citadel Theatre
The Shoctor Theatre
To 16 March. "One Tiger To
A Hill."**

Théâtre Français d'Edmonton
Until 2 March. 8 p.m. "Les Deux
Vierges." Faculté Saint-Jean
Auditorium, 8406 91 Street.

Walterdale Theatre

11 to 22 March. 8 p.m.
"Travesties" by Tom Stoppard.
Admission \$3.50 Mondays, Tues-
days, and Wednesdays; \$4
Thursdays, Friday, and Saturdays;
\$2/children. Telephone 462-0721.

Music

Department of Music
All recitals will take place in the
Convocation Hall, Arts Building.
4 March. 8 p.m. Voice students'
recital.

5 March. 5 p.m. Marilyn Stetsko,
soprano. 8 p.m. Brian Thurgood,
percussion.

7 March. 8 p.m. Eileen Arm-
strong, organ.

9 March. 3 p.m. Art Song
Interpretation. 5 p.m. Don Ross,
clarinet.

10 March 5 p.m. John Jowett,
trombone. 8 p.m. The University
of Alberta String Quartet.

11 March. 5 p.m. Kathy Janakas,
piano. 8 p.m. Margaret Bunkall,
french horn.

12 March. 5 p.m. Maureen
Crotty, flute. 8 p.m. Cherie
Larson, violin.

Edmonton Symphony

1 March. 8:30 p.m. A concert
with Claudio Arrau, pianist.
Northern Alberta Jubilee Audi-
torium. Tickets available at Bass
outlets.

Dance Presentation

9 March. 3 p.m. Marian Sarah
and the Prairie Flowers Dancers
will perform. Guest artists will
include the Charles Dickens
Singers and the Bayley/Creaghan
Duo. Provincial Museum.

South Side Folk Club

8 March. 8 p.m. The South Side
Folk Club Concert with Wheat-
land County from Calgary and
Kenn Hamm from Thunder Bay.
The Orange Hall, 104 Street and
84 Avenue. Tickets at Keen Kraft
Music and the SU Box Office
HUB. For information call
475-1042 or 475-2260.

Exhibitions

SUB Art Gallery
29 February to 10 March. Prints
by David Denyse, Photomurals
by David Buchan, and Studys [sic]
by Mia Westerlund. Gallery hours:
11 a.m. to 5 p.m. weekdays;
1 p.m. to 5 p.m. weekends.

Ring House Gallery

2 to 31 March. "Primo Pensiero:
First Thoughts," a travelling
exhibition from the National
Gallery of Canada. The exhibition
is concerned with the inception of
artistic creation, which is
illustrated by works of art from
the fifteenth century to the
present day. Some 34 drawings
will be presented by such masters
as Dürer, Carraci, Tiepolo
Rembrandt, van Dyck, Boucher,
Watteau, Matisse, Rouault,
Toulouse-Lautrec, Romney,
Whistler, Colville, Judd, and
other well known painters.
Gallery hours are 11 a.m. to
4 p.m. weekdays, 11 a.m. to
9 p.m. Thursdays, and 2 to 5 p.m.
Sundays.

Solar Fair

2 March. 10 a.m. to 5 p.m.

An exhibition of devices and concepts designed to utilize solar energy or reduce energy consumption. Free admission. Corbett Hall.

Edmonton Public Library
5 to 31 March. "Maritime Moods," an exhibition of works by P.R.J. Chadwick. Foyer Gallery of the Centennial Library.
5 to 31 March. Photographs of dancers by Lauren Dale. Photography Gallery of the Centennial Library.

Films

Princess Theatre

28 February. 7 p.m. "Black Orpheus."
9:30 p.m. "Lisztomania."
29 February. 7 p.m. "Lisztomania."
9:30 p.m. "Last Tango in Paris."

National Film Theatre

28 and 29 February. 7:30 and 9:15 p.m. "The Picture Show Man" (Australia, 1976) and "Newsfront" (Australia, 1977).
2 March. 8 p.m. "Throne of Blood" (Japan, 1957).
5 and 6 March. 7:30 and 9 p.m. The best of the Cannes Festival Commercials (1979).
7 and 9 March. 7 p.m. and 7:30 p.m. respectively. "Czlowiek z Marmuru/Man of Marble" (Poland, 1976).
7 and 12 March. 9:30 p.m. and 7:30 p.m. respectively. "Panny z Wilka/The Young Ladies of Wilko" (France/Poland, 1979).
12 and 23 March. 9:30 p.m. and 7:30 p.m. respectively. "Zmory/Nightmares" (Poland, 1978).

For information on the above please telephone the Citadel Theatre, 9828 101A Avenue, 426-4811, extension 69. Admission is \$2.75 regular, \$2/students and senior citizens, and free for children (up to 12 years) when accompanied by an adult. Series tickets are available.

SUB Cinema

1 and 2 March. 7 and 9:30 p.m. "Moonraker" (USA, 1979) and "The Spy Who Loved Me" (UK, 1977).

10 March. 7 and 9:30 p.m. "Midnight Express." (UK, 1978).
11 March. 7 and 9:30 p.m. "Movie Movie" (USA, 1978).

Department of Germanic Languages

12 March. 7:30 p.m. "Triumph des Willens" (Germany, 1934). Free admission. 17 Arts Building.

Edmonton Film Society

3 March. 8 p.m. "Une Partie de Plaisir" (France, 1976). Admission by series ticket, \$6. SUB Theatre.
5 March. 8 p.m. "The Steel Helmet" (USA, 1950). Admission by series ticket, \$6. Tory Lecture Theatre.
10 March. 8 p.m. "Hands Across the Table" (USA, 1935). Admission by series tickets, \$6. Tory Lecture Theatre.

Edmonton Public Library German Film Festival

4 March. 8 p.m. "Lina Braake—oder: Die Interessen de Bank können nicht die Interessen sein, die Lina Braake hat!/Lina Braake, or: The Interests of the Bank Cannot be the Interests of Lina Braake" (1974).
11 March. 8 p.m. "Der aufrechte Gang/Walking Tall" (1976). Admission to both films listed is free. Centennial Library Theatre.

You Asked For It Series

8 and 9 March. 2 p.m. "Dial M for Murder" (1954). Centennial Library Theatre.

Radio and Television

Department of Radio and Television

29 February. 7 p.m. The Legal Maze: "The Law of Copyright, Part I." CKUA Radio (580 AM/95FM).

1 March. 7 p.m. University Concert Hall: "European Origins." A concert of "ethnic" music in Alberta. CKUA Radio.
2 March 7 a.m. Ideolog. CKXM Radio (100.3 FM).

Department of Drama

28 March. 11:30 a.m. "Improvisation and Collective Creation," with P. Thompson. CKUA Radio.

University of the Air

7 March - 4 April. 6 a.m. "Energy Futures for Canada," with D.W.R. Wilson. CTV Television (Channel 3, Cable 2).

service information

Information must reach the Editor by 9 a.m. on the Thursday prior to publication. Written notification is necessary. Notices should be sent to 423 Athabasca Hall

Notices

Selection Committee for Dean of Pharmacy and Pharmaceutical Sciences

The GFC Nominating Committee is seeking nominations for one member of the academic staff from a faculty other than the Faculty of Pharmacy and Pharmaceutical Sciences, to serve on the above Selection Committee.

General Appeals Committee

A vacancy exists on the above Committee for a dean. Would those who have nominations, or who are interested in serving on either of the above Committees please contact the Secretary of the Nominating Committee at 2-1 University Hall, telephone 4715. It would be appreciated if a very brief vita could accompany any nomination.

Fat as a Food and Dietary Component

A two-day "update" seminar is planned for 30 and 31 May. This seminar will be interest to Home Economics graduates and to all those concerned with the effects of fats in their diet. The seminar is jointly sponsored by the E.L. Empey Lecture-ship Committee and the Home Economics Extension Committee at the University of Alberta. Proceeds from the seminar will be placed in the E.L. Empey Lectureship Fund, which was established in 1978, to honor the contributions made by Dr. Empey to the profession of Home Economics. Further information will be forthcoming as details and arrangements are completed.

Campus Law Review Committee

22 February 1980

Members will be meeting in Room 3-17 at 2 p.m. University Hall, when the Agenda will be as follows:

1. The role of the Secretary to the Discipline Law and Order Procedures.
2. A Handbook of Student Disciplinary Procedures.
3. Prescribed Penalties in Code of Student Behavior: Need for Revision.
4. General Review of Code of Student Behavior.
5. General Review of Procedures.
6. Other business.

Anyone wishing to make a written or personal submission should give notice of such intention to Mrs. L. Plaskitt, Room 2-1 University Hall—telephone 4715.

Overhead Projectors

The University has a number of overhead projectors available for teaching purposes that may be obtained through the Audio Visual Services Division of the Department of Technical Services. Most of the heavily used classrooms in central buildings now have overhead projectors, which are shared by all the users of the rooms.

Over the past month, a number of overhead projectors have been removed from their assigned rooms, greatly inconveniencing all the other users. We would ask that staff and students not remove overhead projectors from classrooms, and should anyone have one of the missing machines, it would be appreciated if they would return it to the room it was borrowed from. If this cannot be done, it would be appreciated if Audio Visual Services was called at 3923 and asked to pick up the projector.

We apologize to all our users for the inconvenience caused by the movement of overhead projectors, and hope that everyone will work together to bring this severe problem to an end. Should anyone find an overhead, marked "Technical Service" in a non-classroom area, a phone call (3923 or 2183) would also be appreciated.

Review of Extension Dean

Information about the administration of the Faculty is being solicited, as part of the normal process of performance review after five years in office. For further information, call the Office of the Vice-President (Academic): 432-3443.

Surplus Equipment

For further information about the purchase of equipment or the disposal of any of your department's surplus equipment, consult Bonnie O'Dwyer or Roy Bennett, telephone 432-3208.

1972 Skidoo Model 440E. For information telephone D. Rutledge at 432-5668.

Tektronix 4010-1 Option 6.

Tektronix 4921 Floppy Disc.

154-0662-10 Spare CRT for 4010.
Manual spare disc set for above.
For information telephone Dr. Adler at 432-3986 or C. Campbell at 432-5875.
Heinicke Pulsonic Labware Washer.
For information telephone K. Strynadka at 432-6379

Non-Credit Courses

Shape Up For Spring

Date: 24 March. Time: 20 sessions, Mondays and Wednesdays. Class limit: two classes, 40 and 30. Fee: \$50. Registration: 228 Corbett Hall.

We Can Help—Dialogue with the Handicapped and their Families

Date: 5 March. Class limit: 35. Fee: \$10. Telephone: 432-5069.

Working with Problem Adolescents

Date: 3 and 4 March. Class limit: 70. Fee: \$40. Telephone: 432-5069.

Faculté Saint-Jean French Immersion for Professionals

Date: 12 to 30 May. Fee: \$150. Telephone: 466-2196, ext. 33.

Centre for the Study of Mental Retardation Certificate Courses

Date: 4, 6, 11, 13, 18, 20, 25, and 27 March; 7 to 9 p.m. 15 March, 9 a.m. to 12 noon, 22 March, 9 a.m. to 4 p.m. Fee: \$10. Telephone: 432-4439 or 432-4505.

Positions Vacant

Registered Nurse

Oncology Clinical Research

Required to work with a team associated with investigational studies in Radiation Oncology. Responsible for the coordination of clinical toxicity studies with investigational drugs. Nursing functions include on-going assessment and management of protocol, patients, blood collection, and patient teaching and support. Research functions include the collection, recording and analysis of data as well as input into the development of new clinical protocols.

Qualifications: Registered nurse. Preferred, but not essential: 1. Nurse practitioner experience. 2. Experience in Oncology nursing. 3. Experience with clinical research protocols. 4. Experience with intravenous therapy, audiometric testing and neurological assessment. 5. Statistical background.

Salary: Negotiable.

Apply: Personnel Department, Cross Cancer Institute, 11560 University Avenue, Edmonton, Alberta. T6G 1Z2

Wage and Salary Coordinator

This position will involve the incumbent in a wide range of challenging

programs. Responsibilities include administering a job classification system, maintaining a competitive wage and salary structure, and the administration of a performance appraisal system for an employee bargaining unit of 3,200. There is also supervisory responsibility for a small support staff.

Qualified candidates will be university graduates preferably in Commerce or the Social Sciences with a minimum of three years directly related experience in compensation administration, preferably in a large organization. Applicants must be knowledgeable in the design and implementation of job evaluation systems, including job analysis. The salary range is \$19,698 to \$26,593 per annum with appointment salary commensurate with qualifications. An outstanding benefits program is offered.

Interested persons are invited to submit a comprehensive résumé to: Personnel Services and Staff Relations 3rd Floor, Students' Union Building 114 Street and 89 Avenue Edmonton, Alberta T6G 2T7

An equal opportunity employer.

Administrative Professional Officer

The Department of History invites applications from suitably qualified persons for the position of Administrative Professional Officer (APO) to commence 1 July 1980. The University of Alberta is an equal opportunity employer.

Reporting to the Chairman, the APO is responsible for the administrative management of the Department, including supervision of all non-academic staff; preparation of budget, time-table and statistics; organization of registration; and otherwise assisting the Chairman in all matters conducive to the efficient operation of the Department.

The position calls for someone with intelligence, tact and initiative, capable of working with and supervising others.

The initial salary is approximately \$17,000 per year. Apply in writing, giving full details of education, training and experience, to: Dr. R.R. Hett, Chairman, Department of History, H.M. Tory Building, The University of Alberta, Edmonton, Alberta T6G 2H4

Non-Academic Positions

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, third floor, SUB, telephone 432-5201. Please do not contact the department directly. Positions available as of 22 February 1980.

Financial Records Clerk (\$764.41-\$912.91)—Office of the Comptroller
Clerk Typist II (\$764.41-\$912.91)—Rehabilitation Medicine
Dental Assistant I (part-time) (\$475.80-\$569.52)—Dental Clinical Sciences

Dental Assistant I (term) (\$793.02-\$949.20)—Dental Clinical Sciences
Clerk Steno II (\$793.02-\$949.20)—Industrial and Vocational Education
Library Clerk III (\$822.72-\$984.39)—Boreal Institute
Senior Clerk (part-time) (\$411.26-\$492.20)—Academic Staff Association
Senior Clerk (\$822.72-\$984.39)—Parking Services
Clerk Typist III (part-time) (\$5.00/hour)—Student Affairs
Clerk Steno III (\$883.20-\$1,065.78)—R.S. McLaughlin Examinations and Research Centre (trust); Personnel Services and Staff Relations
Clerk Steno III (\$841.60-\$532.89)—Geology (part-time)
Student Record Processing Clerk (\$883.20-\$1,065.78)—Dean of Arts
Admission Records Trainee/Coordinator (\$883.20-\$1,109.78)—Office of the Registrar
Medical Steno (\$949.20-\$1,158.17)—Psychiatry; Pediatrics; Pediatrics (trust)
Secretary (\$984.39-\$1,205.47)—Obstetrics and Gynaecology; Business Administration and Commerce; Medicine
Administrative Clerk (\$984.39-\$1,205.47)—Personnel Services and Staff Relations
Building Services Worker II (\$883.20-\$1,065.78)—Housing and Food Services
Computer Assistant II (\$912.91-\$1,109.78)—Computing Services
Electron Microscope Technician I (\$984.39-\$1,205.47)—Pharmacology (trust, term)
Technician I (\$984.39-\$1,205.47)—Civil Engineering
Food Services Worker IV (\$1,021.79-\$1,257.17)—Housing and Food Services
Draftsperson I (\$1,021.79-\$1,257.17)—Physical Plant
Building Services Worker IV (\$1,065.78-\$1,311.06)—Physical Plant
Assistant Buyer (\$1,065.78-\$1,311.06)—Purchasing
Electronics Technician I/II \$1,065.78-\$1,489.25)—Technical Services
Technician II (\$1,109.78-\$1,367.16)—Chemistry
Publications Assistant II (\$1,109.78-\$1,367.16)—Computing Services
Technologist I (\$1,109.78-\$1,367.16)—Zoology (trust, term)
Farm Equipment Technician II (\$1,109.78-\$1,367.16)—Animal Science
Technologist I/II (\$1,109.78-\$1,556.33)—Home Economics
Biochemistry Technologist I/II (Trust, Term) (\$1,109.78-\$1,556.33)—Cancer Research Unit
Programmer/Analyst I (\$1,158.17-\$1,427.65)—Administrative Systems
Plant Operator I (\$1,205.47-\$1,489.25)—Physical Plant

Art Technician Demonstrator I (Cutter/Seamstress) (\$1,205.47-\$1,489.25)—Drama
Electronics Technician II (\$1,205.47-\$1,489.25)—Technical Services
Electronics Technician II/III (\$1,205.47-\$1,697.12)—Physics
Administrative Assistant (\$1,257.17-\$1,556.33)—Housing and Food Services

Applications Analyst (\$1,257.17-\$1,556.33)—Registrar's Office (two positions)
Technologist II/III (\$1,257.17-\$1,711.92)—Civil Engineering
Interior Designer I (\$1,311.06-\$1,623.42)—Purchasing
Typographical Tradesman III (\$1,311.06-\$1,623.42)—Printing
Engineering Technologist III (\$1,367.16-\$1,697.12)—Physical Plant
Art Technician Demonstrator II (Carpenter) (\$1,367.16-\$1,697.12)—Drama
Programmer/Analyst II/III (\$1,367.16-\$2,021.59)—Administrative Systems (three positions); Physics
Technician IV (\$1,427.65-\$1,771.92)—Plant Science (Farm Equipment); Mineral Engineering
Biochemistry Technologist III (trust) (\$1,427.65-\$1,771.92)—Medicine
Biology Technologist III/IV (\$1,427.65-\$2,021.59)—Genetics
Building Superintendent II (\$1,489.25-\$1,850.00)—Physical Plant
Programmer/Analyst III (\$1,623.42-\$2,021.59)—Computing Services (two positions); Administrative Systems
Controls Fitter (Instrument Mechanic) (\$2,109.47-\$2,204.40)—Physical Plant

The following is a list of currently available positions in the University of Alberta Libraries. The bulletin board in the Cameron Library—Room 512 should be consulted for further information as to availability and position requirements.

Library Clerk III (\$822.72-\$984.39)—Cataloguing
Programmer/Analyst III \$1,623.42-\$2,021.59—Systems
Programmer/Analyst IV (\$1,934.69-\$2,420.85)—Systems

Advertisements

must reach the Editor by 3 p.m. on the Thursday prior to publication, which date also serves as the deadline for cancellation of advertisements. The cost of placing advertisements is 20 cents per word for the first week and 10 cents per word for subsequent weeks ordered before the next deadline. Advertisements must be paid for in advance, and are accepted at the discretion of the Editor. We regret that no advertisements can be taken over the telephone. For order forms or further information, telephone 432-2325.

Accommodations available

For sale—Garneau, 10921 81 Avenue, 1,350 sq. ft., semi-bungalow. Two large bedrooms upstairs. Spacious living and dining rooms. Beautiful garden with mature trees. Assumable \$65,000 mortgage at 11%. Asking \$88,000. 439-2948.

For sale—Attractive, three bedroom bungalow. Near University. Fireplace. Developed basement. Beautifully

landscaped. Large first mortgage. \$79,900. Open house every Saturday 2 - 4 p.m. 11420 71 Avenue or Phone 433-7207.

For sale—Riverbend. Attractive, four bedroom home with park in front and lots of trees and privacy in back. \$141,500 terrific! Call DeAnna Larson 481-0936 or 436-5250 Spencer Real Estate.

For rent—Deluxe studio—Maui. Panoramic view, tennis court, recreation centre, beach, totally self contained including washer/dryer. Will accommodate one couple. Available anytime May to September. References required. Phone 488-2671 after 6 p.m.

For rent—Palo Alto homeowner has had excellent experiences with University of Alberta visiting professors, would like to rent his house again to University of Alberta professor visiting Stanford in 1980-81. Please write: 1470 Pitman Avenue, Palo Alto, California or phone 415-327-4129 evenings if interested.

For sale—Charming two bedroom bungalow. Convenient University. Mortgage \$44,800, 11%. \$67,900. Joyce Byrne, Spencer Real Estate. 435-6064 res., 436-5250 bus.

For sale—Southgate/University area. Custom built, three bedroom bungalow 1,140 sq. ft., attached garage, partially developed basement, 2½ baths, Lendum. By owner, \$94,500. Phone 434-2198.

For sale—By owner. Older, three bedroom home in Millcreek Ravine (99 St. and 84 Ave.). Original wood, well-insulated, fenced, good condition. Assumable mortgage 11¾ %. Asking \$94,000. No agents. 432-5856, 439-2691 (evenings).

For sale—Heart of gold. Ideal starter home for young couple. Needs lots of care. Underneath the rough exterior lies a heart of gold, (solid foundation, good floors, etc.). Close enough to walk to University. Good terms can be arranged. Call Earl Scoville. 436-5080 res. 436-4488 A.E. LePage Melton.

For sale—By owner. Schaaf built, four bedroom, two bathrooms, bi-level in North Millwoods. Backs on to park, schools and playground. Close to shopping centre and bus. \$85,000. 462-2393.

For rent—Three bedroom bungalow. Two miles to University (Lendum).

Furnished. Available July or August, 1980 for one year. Ideal for visiting faculty. 435-5770, 432-5729.

For sale—Attractive three bedroom townhouse. Five appliances. 1,250 sq. ft., plus developed basement. Large mortgage 10¾ %. Close to Southgate. Priced to sell. 436-5458.

For rent—Three bedroom home, fully furnished. Includes one car garage, landscaped yard, full range of appliances. Ten minute walk from University. Available 15 March. \$475 monthly plus utilities. Bill 436-5890.

For sale—Spacious, two bedroom condominium. Immaculate condition, professionally decorated. Southwest area. Direct bus route to University. Invest your renting dollars now. Owner anxious to sell. Inquiries 436-4240, 437-1612. Joy Murray, Block Bros.

For sale—By owner. Westend, 1,360 sq. ft., immaculate, two year old home. Three bedrooms. Ten minutes to University. Assumable \$54,000 mortgage at 10%. \$78,500. 483-9485 evenings.

Accommodations wanted

To buy or rent—Belgravia area. Four bedroom house for University family, from June. Phone 436-0181.

Automobiles and others

Wanted older Datsun 510 or other Japanese car, working or not. 477-2908.

For sale—1966 Jaguar Mark II. Excellent. 477-7453.

1978 Ford E150 Chateau Cargo Van. Professionally finished with rear dinette sleeper. One way glass, Air, AM/FM cassette stereo, etc. Top shape. Only 22,800 miles. 435-6686.

Goods for sale

High quality electronic piano, \$1,200. Full 88 notes. Dean 432-3796, 436-1879. Wanted old color portable TVs. Call 477-2908.

Pentax camera system, many accessories. AI 423-0408.

Bad Water? Clean, chlorine and bacteria free drinking water. 15¢ a gallon. This is less than one tenth of the store price! Phone 439-0873 and find out why!

Three months old leather-bound Encyclopaedia Britannica. New \$999, asking \$800. Phone 466-1244 after 6 p.m. Seven piece oak bedroom suite by

Broyhill. Professional foldaway ping-pong table. All items new condition. 435-6686.

For sale—Dyed black muskrat lined winter coat. In good condition. Size 12. \$225 or best offer. Phone 435-6140 evenings.

Camera: Minolta Autocord Professional 2¼" medium format, built-in meter. Absolutely mint condition. \$250. 432-5093.

For sale—Electrohome spinet organ. Leslie, reverb, \$995. Don 467-6445, 432-4901.

Radial Arm Saw, B&D/Dewalt 10" shopmate, 12 amp motor. Asking \$225. John, 432-2105, 464-5101.

Services

Edmonton Yoseikan Karate Club: Call Sport Alberta 458-0440.

Professional typing. 464-4887.

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82 Avenue, 432-1419. Expert typing—theses, etc. 455-0641. Peking and Shanghai food. Cooked by chef of old "Shanghai House." Shanghai Garden Restaurant, 10120 118 Avenue. Roasted Peking duck (order in advance), hot firepot, dumplings, fried Chinese hamburger, beef buns, cayenne and meat noodles, sour and hot meat broth soup. Closed Tuesdays. 11:30 a.m.-11:30 p.m. 474-2516.

Singing lessons for young children. Studio near University, Edith-Mary Smith. 436-4780.

House and basement framing. Renovations. Premium Builders, 963-3453, 481-1247.

Experienced typist, southside. 435-0404. Vacation Time? Gain added security at no extra cost. For experienced house sitters call 439-3040 (evenings). Will provide care for pets and plants. References provided.

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Typist, southside 436-3524. Typing. 75¢ per page. 477-7453.

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